

SONIC SPEAKER SERIES

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University of Georgia / Terry College of Business

Digital Intensity and Variation in Design Routines: A Comparative Sociotechnical Sequence Analysis of Four Organizations

Thursday, April 25, 05:00pm-06:15pm

Room 1.483, Frances Searle Building, Northwestern University, Evanston Campus

Biography

Nicholas Berente is an assistant professor in Management Information Systems at the University of Georgia's Terry College of Business. He received his PhD from Case Western Reserve University and conducted his postdoctoral studies at the University of Michigan. Dr. Berente is the PI for three projects funded by the NSF investigating the management of next generation scientific research centers. He has contributed to a variety of projects associated with distributed, collaborative innovation in multiple contexts and has studied information technology-enabled innovation at NASA. He has authored more than seventy peer-reviewed articles, and his work has been published in top journals, including MIS Quarterly, Information Systems Research, and Organization Science.

Content

Organizations continue to embed increasingly richer repertoires of digital capabilities into their activities, and the impact of this digitalization on those routines is not well-understood. In this study, we leverage a new sociotechnical sequence analysis technique to explore this impact in four theoretically-sampled design organizations. This research advances a theory of "configural" routine variation – that of variation between components of routines – by examining the effects of (1) environmental variation; (2) structural variation; and (3) variation in digital intensity on routine variation. Overall, our analysis sheds new light on the interactions between organizational context, environment, and digitalization, and their impact on design routine variation.

Additional info

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